

# Converting Colors

HunterLab(36.7770, 32.7697,  
20.1411)

Have a look what the booklet for  
HunterLab(36.7770, 32.7697,  
20.1411) contains.

<b>HunterLab(36.7770, 32.7697, 20.1411)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(36.7770, 32.7697,  
20.1411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE4627
RGB	174, 70, 39
RGB Percent	68%, 27%, 15%
CMY	0.3176, 0.7255, 0.8471
CMYK	0.00, 0.60, 0.78, 0.32
HSL	14°, 63%, 42%
HSV	14°, 78%, 68%
XYZ	20.0119, 13.5255, 3.4754
YIQ	97.5620, 71.9350, 12.4070

# Conversions

## Conversions Part 2

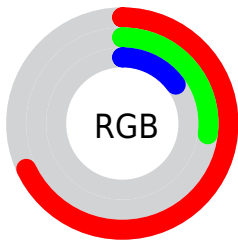
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 79, 39
Decimal	11421223
CIELab	43.55, 40.79, 39.22
CIELCh	44, 56.590, 43.875
Yxy	13.5262, 0.5407, 0.3654
Android (android.graphics.Color)	4289611303 (0xFFAE4627)
YUV	97.5620, -28.8711, 67.0361
Hunter-Lab	36.7770, 32.7697, 20.1411

# Details

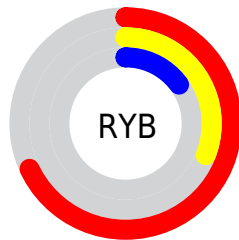
The HunterLab color **36.7770, 32.7697, 20.1411** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **48.0940, -16.2512, -20.0154**, and the grayscale version is **34.8712, -1.8606, 1.8946**.

A 20% lighter version of the original color is **56.7918, 35.4521, 26.4241**, and **19.9662, 29.7950, 12.8247** is the 20% darker color. If you saturate the color by 10%, you get **34.5574, 37.8722, 20.6892**, and if you desaturate by 10%, it is **39.4177, 27.4918, 19.0651**.

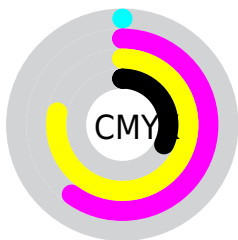
# Distribution



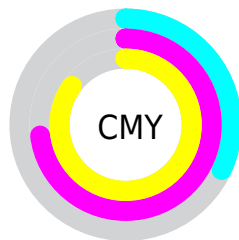
- Red (68%)
- Green (27%)
- Blue (15%)



- Red (68%)
- Yellow (31%)
- Blue (15%)



- Cyan (0%)
- Magenta (60%)
- Yellow (78%)
- Black (32%)















- Cyan (32%)
- Magenta (73%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.7770, 32.7697, 20.1411 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the HunterLab color 36.7770, 32.7697, 20.1411 by changing the saturation by 10% instead.



 36.7770, 32.7697, 20.1411	 36.7770, 32.7697, 20.1411
146.3774, 42.3779, 44.8642	 27.9140, 31.1619, 16.6887
 56.7856, 35.6077, 26.4052	 19.9050, 29.4481, 13.6473
 67.8235, 36.8540, 29.3020	 12.8545, 27.7005, 8.9981
 79.4963, 37.9951, 32.0830	 6.2652, 31.3902, 4.3857
 91.7711, 39.0390, 34.7699	0.0000, INF, NaN
	0.0000, NaN, NaN
 104.6198, 39.9931, 37.3796	0.0000, NaN, NaN
 118.0178, 40.8638,	0.0000, NaN, NaN

39.9251

0.0000, NaN, NaN

131.9434, 41.6571,  
42.4172

36.7770, 32.7697,  
20.1411

36.7770, 32.7697,  
20.1411

34.5574, 37.8722,  
20.6892

39.4177, 27.4918,  
19.0651

32.7873, 42.5205,  
20.7297

42.4327, 22.2531,  
17.5332

32.4249, 43.5196,  
20.7419

45.7780, 17.1821,  
15.6312

49.4112, 12.3499,  
13.4375

53.2948, 7.7843,  
11.0170

■ 57.3965, 3.4861,  
8.4200

■ 61.6892, -0.5588,  
5.6846

■ 66.1501, -4.3721,  
2.8388

■ 70.7604, -7.9779,  
-0.0967

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7780, 47.2929, 10.2273



36.7770, 32.7697, 20.1411



36.7780, 10.2150, 23.2721

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.7780, 32.7666, 20.1416



36.7780, -33.8082, 11.3222



36.7780, 8.4654, -60.1495

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.7770, 32.7697, 20.1411



48.0940, -16.2512, -20.0154

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.7780, -12.7397, -59.2124



36.7770, 32.7697, 20.1411



36.7780, -34.0681, -8.7124

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.7780, 32.7666, 20.1416



36.7780, -26.4212, 20.5478



36.7780, -27.2380, -36.9294



36.7780, 31.2352, -39.0352



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.7770, 32.7697, 20.1411



36.7780, -4.7120, 23.5804



36.7780, -27.2380, -36.9294



36.7780, 0.8665, -62.6618

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.7780, 32.7666, 20.1416



74.0531, 8.0222, 13.4020



35.3360, 55.7234, -22.0285



33.9983, 4.7674, 6.8953



94.3401, -5.0338, 5.1257



41.3092, -2.2042, 2.2444



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7780, 32.7666, 20.1416



44.7969, 55.5269, 27.9328



51.6556, 1.4886, 29.6528



28.8145, 0.0558, 2.9138



27.7540, 36.6395, 17.7433



5.4405, 3.9118, 3.4209



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.0940, -16.2512, -20.0154



61.3858, -19.9433, -32.6804



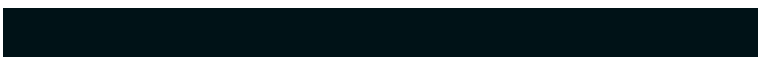
29.7156, 14.9636, -61.3253



29.5896, -3.0508, 0.2406



38.3187, -12.2077, -21.5421



6.9566, -2.8009, -2.6488



# Previews

## White Background



This preview shows how the HunterLab color 36.7770, 32.7697, 20.1411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 36.7770, 32.7697, 20.1411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

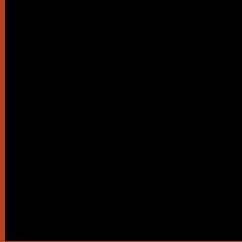
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 36.7770, 32.7697, 20.1411 Background



This preview shows how black text looks on a background with the HunterLab color 36.7770, 32.7697, 20.1411.



This preview shows how white text looks on a background with the HunterLab color 36.7770, 32.7697,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

36.7770, 32.7697, 20.1411

### Protanopia

37.1042, -4.4372, 18.1426

### Deuteranopia

36.8512, 2.4562, 20.6649



## Tritanopia

36.6778, 36.7149, 13.8768

# Trichromacy



## Original Color

36.7770, 32.7697, 20.1411

## Protanomaly

36.1635, 8.0583, 18.3546

## Deuteranomaly

36.3400, 13.1912, 20.1543

## Tritanomaly

36.6661, 35.5156, 16.5245

# Monochromacy



## Original Color

36.7770, 32.7697, 20.1411

## Achromatopsia

34.9484, -1.8648, 1.8988

## Achromatomaly

34.5701, 8.8651, 9.4153

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.7770, 32.7697, 20.1411 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 70, 39)` looks like.

```
.text, #text, p{  
    color:rgb(174, 70, 39)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 70, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 70, 39) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.7770, 32.7697, 20.1411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 70, 39) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(174, 70, 39) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(174, 70, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 70, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 70, 39);  
box-shadow:4px 4px 4px 4px rgb(174, 70,  
39) }
```

# Background

The CSS property to change the background color of an element to HunterLab 36.7770, 32.7697, 20.1411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 70, 39) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174, 70,  
39) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor